



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Atty Dkt. 117-320  
C# M#

CHATFIELD

Serial No. 09/646,925

Group Art Unit: 1645

Filed: January 31, 2001

Date: October 20, 2003

Title: BACTERIA ATTENUATED BY A NON-REVERTING MUTATION IN EACH OF THE  
AROC, OMPF AND OMPC GENES, USEFUL AS VACCINES

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

RECEIVED  
OCT 23 2003  
TECH CENTER 1600/2900

Sir:

**RESPONSE TO QUAYLE ACTION**

This is a response/amendment/letter in the above-identified application and includes an attachment which is hereby incorporated by reference and the signature below serves as the signature to the attachment in the absence of any other signature thereon.

☐ **Correspondence Address Indication Form Attached.**

**Fees are attached as calculated below:**

Total effective claims after amendment 11 minus highest number  
previously paid for 20 (at least 20) = 0 x \$ 18.00 \$ 0.00

Independent claims after amendment 1 minus highest number  
previously paid for 3 (at least 3) = 0 x \$ 86.00 \$ 0.00

If proper multiple dependent claims now added for first time, add \$290.00 (ignore improper) \$ 0.00

Petition is hereby made to extend the current due date so as to cover the filing date of this  
paper and attachment(s) (\$110.00/1 month; \$420.00/2 months; \$950.00/3 months) \$ 0.00

Terminal disclaimer enclosed, add \$ 110.00 \$ 0.00

☐ First/second submission after Final Rejection pursuant to 37 CFR 1.129(a) (\$770.00) \$ 0.00

☐ Please enter the previously unentered , filed

☐ Submission attached

**Subtotal \$ 0.00**

If "small entity," then enter half (1/2) of subtotal and subtract -\$ 0.00

☐ Applicant claims "small entity" status. ☐ Statement filed herewith

Rule 56 Information Disclosure Statement Filing Fee (\$180.00) \$ 0.00

Assignment Recording Fee (\$40.00) \$ 0.00

Other: **COPY OF FORM PTO-1449 FILED DECEMBER 4, 2000** 0.00

**TOTAL FEE ENCLOSED \$ 0.00**

The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Account No. 14-1140. A duplicate copy of this sheet is attached.

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NIXON & VANDERHYE P.C.  
By Atty: Gary R. Tanigawa, Reg. No. 43,180

Signature: 



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

CHATFIELD

Appln. No. 09/646,925

Filed: January 31, 2001

Confirmation No.: 2850

Atty. Ref.: 117-320r

Group Art Unit: 1645

Examiner: V.L. Ford

FOR: BACTERIA ATTENUATED BY A NON-REVERTING MUTATION IN EACH OF  
THE aroC, ompF AND ompC GENES, USEFUL AS VACCINES

\* \* \*

**RESPONSE TO QUAYLE ACTION**

October 20, 2003

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U.S. Patent and Trademark Office

**MS Non-Fee Amendment**

Arlington, VA 22202

OCT 23 2003

TECH CENTER 1600/2900

Sir:

In response to the pending Office Action (Paper No. 19) mailed September 30, 2003, entry and consideration of the following amendments and remarks are respectfully requested.

Amended portions of the **specification** are presented on page 2.

A priority claim and a reference to the appropriate sequence identifiers for the PCR primers listed in Table 1 are added.

The **claims** are presented on pages 3-4.

Claim 7 is amended.

**Remarks** begin on page 5.